

What is claimed is:

1. A plasma display panel comprising:

scan electrodes for selecting a row of a matrix

5 display;

data electrodes for selecting a column;

a partition for defining a discharge space at least  
for each column;

10 k ( $k \geq 2$ ) of the data electrodes being arranged for  
each column of the matrix display, the data electrode

being continuous from one end of the column to the other  
end;

15 all the scan electrodes within a display screen  
being classified into k groups, one of the k groups being  
assigned to k data electrodes in each column; and

each of the data electrodes being crossed with or  
opposed to scan electrodes belonging to the group that is  
assigned to the data electrode without overlapping a  
partition and is crossed with other scan electrodes with  
20 overlapping the partition.

2. The plasma display panel according to claim 1,  
wherein k of the scan electrodes, each of which is  
selected from each of the k groups within the display  
screen, are connected electrically.

25 3. The plasma display panel according to claim 1,  
wherein both ends of all data electrodes are led out of a  
sealing member that surrounds the display screen so as to  
close the discharge space.

30 4. The plasma display panel according to claim 1,  
wherein each of the data electrodes is widened locally in

a plan view at portions being crossed with or opposed to scan electrodes belonging to the group that is assigned to the data electrode.

5. A method of driving a plasma display panel  
5 having scan electrodes for selecting a row of a matrix display, data electrodes for selecting a column, and a partition for defining a discharge space at least for each column, the method comprising the steps of:

arranging  $k$  ( $k \geq 2$ ) data electrodes for each column  
10 of the matrix display, the data electrode being continuous from the first end to the second end in the column direction;

classifying all the scan electrodes within a display screen into  $k$  groups, and assigning one of the  $k$  groups to  
15  $k$  data electrodes in each column;

setting each data electrode to cross or oppose scan electrodes belonging to the group that is assigned to the data electrode without overlapping a partition and to cross or oppose other scan electrodes with overlapping the  
20 partition;

connecting electrically  $k$  of the scan electrodes each of which is selected from each of the  $k$  groups within the display screen; and

selecting simultaneously  $k$  rows corresponding to the  
25 scan electrodes connected electrically when potentials of the scan electrodes and data electrodes are controlled in accordance with display contents for addressing.

6. The method according to claim 5, wherein the selecting step includes the step of selecting  $k$  rows from  
30 one end of the row arrangement to the other end, and

setting different potentials for the data electrode corresponding to a row that is closest to the second end and the data electrode corresponding to a row that is closest to the first end among the k rows to be selected

5 simultaneously.

7. A plasma display panel comprising:

a pair of substrates defining a discharge space;  
scan electrodes arranged on one of the substrates  
for row selection of a matrix display;

10 data electrodes arranged on the other substrate for  
column selection of a matrix display, two of the data  
electrodes are arranged for each column; and

a barrier provided at the portion corresponding to  
the data electrode for preventing discharge between the  
15 data electrode and the scan electrode so as to make the  
two data electrode valid and invalid alternately for a  
predetermined number of rows.

2010 RELEASE UNDER E.O. 14176